

From: Ann DiDonato/R3/USEPA/US
Sent: 1/11/2012 12:46:47 PM
To: Dawn Ioven/R3/USEPA/US@EPA
CC: Dennis Carney/R3/USEPA/US@EPA; Humane Zia/R3/USEPA/US@EPA; Richard Fetzer/R3/USEPA/US@EPA; Lora Werner/R3/USEPA/US@EPA; johnson.eric@epa.gov
Subject: Re: rest of the residents.....

Thanks very much!

----- Original Message -----

From: Dawn Ioven
Sent: 01/11/2012 11:49 AM EST
To: Ann DiDonato
Cc: Dennis Carney; Humane Zia; Richard Fetzer; Lora Werner; johnson.eric@epa.gov
Subject: Re: rest of the residents.....

Hi, Ann. I reviewed the data in the attachment. Conclusions of significance are presented below:

Resident 13 (Ex. 6 - Personal Privacy) - Arsenic was detected at a concentration of 25 ug/L. This level exceeds the risk-based trigger (set at an excess cancer risk of 1E-04) for arsenic (4.5 ug/L), as well as the MCL (10 ug/L). The elevated cancer risk associated with long-term consumption of this water would be roughly 6E-04, which represents an imminent and substantial threat. Note, Ex. 6 - Personal Privacy it's not clear if anyone is actually drinking the water at this time.

Resident 15 (Ex. 6 - Personal Privacy) - Arsenic (6 ug/L) was reported in slight excess of its risk-based trigger (4.5 ug/L), but less than the MCL (10 ug/L). Since 1) this is a close call in terms of risk and 2) the MCL has not been exceeded, it would be prudent to resample this well for a better understanding of actual sustained conditions.

Finally, the detection limit for ethylene glycol in the analyzed samples was very high (10,000 ug/L). This detection limit is higher than the risk-based screening value suggested by ATSDR for the protection of children (8000 ug/L). As a consequence, a determination about whether ethylene glycol poses a potential risk in these wells can not be made. Additional sampling with lower detection limits would be necessary.

That's it, Ann. After I put conclusions from last Friday night into a formal memo for Rich, I will prepare another formal memo for the conclusions presented in this e-mail. If you have any questions, please let me know. Thanks.

Dawn

Dawn A. Ioven, toxicologist
U.S. EPA - Region III
(3HS41)
1650 Arch street
Philadelphia, PA 19103
215.814.3320

From: Ann DiDonato/R3/USEPA/US
To: Dawn Ioven/R3/USEPA/US@EPA
Cc: Dennis Carney/R3/USEPA/US@EPA, Humane Zia/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA
Date: 01/11/2012 10:04 AM
Subject: rest of the residents.....

Hi Dawn -

Here is the list of the rest of the resident from the Cabot CO&A - please evaluate. At this point we believe that the information is correct to the best of our knowledge - thanks! Please expedite if possible - call me with questions -

[attachment "Summary of Residents without water_ residents 9_18.docx" deleted by Ann DiDonato/R3/USEPA/US]

Ann (Breslin) DiDonato
On-Scene Coordinator
US EPA Region III - Philadelphia
Office 215-814-3311
Cell 215-287-8157